Arçelik/Blomberg 2009 ARES MLCD 8 kg Tumble Dryer Service Handbook

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1 Technical Specification:

1.1. Product Definition

1.1.1. Manufacturer : Arçelik A.Ş.
Cerkezkoy - Tekirdag / TÜRKİYE

1.1.2 Model : TKF 8439/8439 A / 8439S

1.1.3 Capacity (kg) : 8

1.1.4 Programs (Qty) : 14 sensor contolled program
1 time program
1 ventilation program (heater off)

1.2. Dimensions

1.2.1. Height (mm) : 846

1.2.2. Depth (mm) : 598

1.2.3. Width (mm) :595

1.3. Package

1.3.1. Material : PE bag (Shrink-pack)

1.3.2. Supporter : Polystrofoam / Wood

1.3.3. Dimensions :

Height (mm) : 880

Depth (mm) : 660

Width (mm) : 650

1.4. Weight

1.4.1. Unpacked (kg) : 38

1.4.2. Packed (kg) : 40

1.5. Working Condition

1.5.1. Temperautre :

Min. room temperature : 5°C

Max. room temperature : 35°C

1.5.2. Humudity : %95 RH

1.6. Electrical Specification

1.6.1. Voltage (V / Hz) : 220-230 V / 50 Hz

1.6.2. Power (kW) : 2,7 kW

1.6.3. Current (A) : 12

1.7. Power Cord

1.7.1. Type : 3 x 1.5 mm2 Cord Copper wire

1.7.2. Insulation : TS 9760 H05V2V2-F 3G1,5mm^2

1.7.3. Plug : Earthed ,PVC injected

1.7.4. Length (mm) : 1605

1.8. Motor

1.8.1. Type : 2 – phase asenkron

1.8.2. Power (W) : max 250

1.8.3. Main Winding (ohm) : 19,5± 5%

1.8.4. Auxillary Winding(ohm) : 19,5± 5%

1.8.5. Motor speed (7 kg (rpm)) : 2750

1.8.6. Drum speed (rpm) : 52 ± 2

1.8.7. Insulation : Sınıfı : F

1.8.8. Run capacitor : 9 mF ± %5

1.9. Heater

1.9.1. Type : Open wire spiral heating element

1.9.2. Nominal Power&Voltage(W) : 230Vac, 1600+900 = 2500 ± %5

1.9.3. Resistance(ohm) : 1600 W 1. level power (57.63 ohm± %5)

: 900 W 2. level power (32.41ohm± %5)

Warning: NTC (regulating thermistor) is damaged, change the heating element completely. Also check whether the motor or the fan is blocked or the belt is broken.

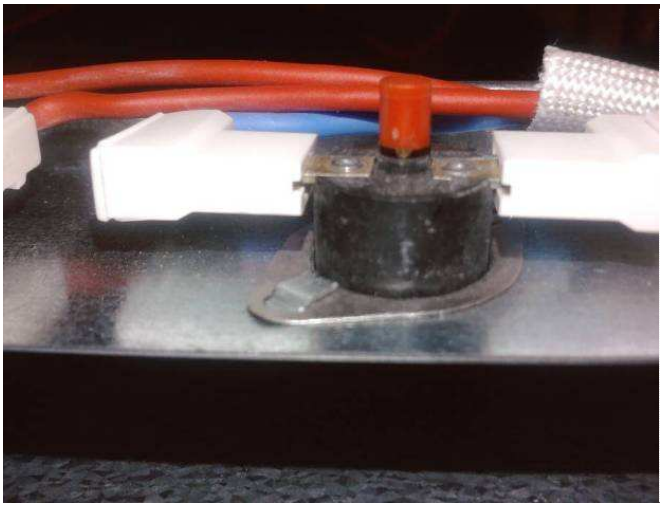
1.9.4. Manual resetting thermostat : 160℃ ±3℃

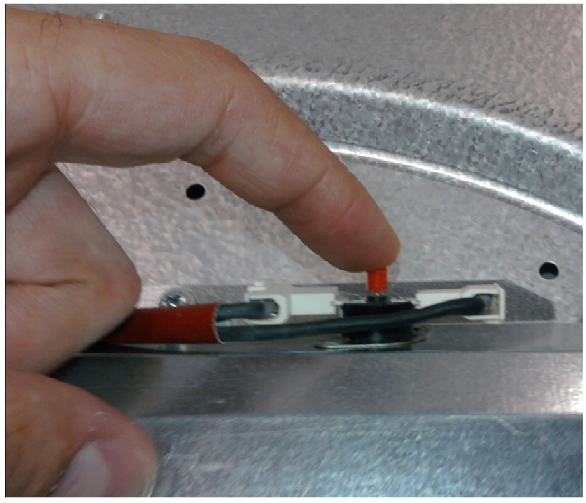
Rating : 250Vac – 16A

Type : ELTH 261PB

NOTE: If the heater does not work because of manuel resetting thermostat is open curcuit, do not change heater with the new one. You should do the following operation that described below.

With the multimeter manual resetting thermostat is checked from the terminals while heater is on the dryer. If manual resetting thermostat is open curcuit, the button is up and the heater does not work. If the button is up position,push the button down,and measure the thermostat and be sure that it is short circuit.





1.9.5. NTC (regulating thermistor) : 19.500 ohm @ 25℃
Type : ELTH 279

1.10. Door NTC

Door NTC (ohm) : 12.000 ohm @ 25℃

1.11. Body :

1.11.1. Material : Sheet metal
1.11.2. Finish : Acyrlic powder paint

1.12. Drum :

1.12.1. Material : Aluzinc/Stainles steel
1.12.2. Volume (lt) : 118
1.12.3. Drum speed(rpm) : 54±2
1.12.4. Front door opening (mm) : 395x320
1.12.5. Proces air flow (m^3/h) :190
1.12.6. Maximum loading Capacity:
Cotton(kg) : 8
Delicate, Synthetic (kg) : 4

1.13. Control System Specifications :

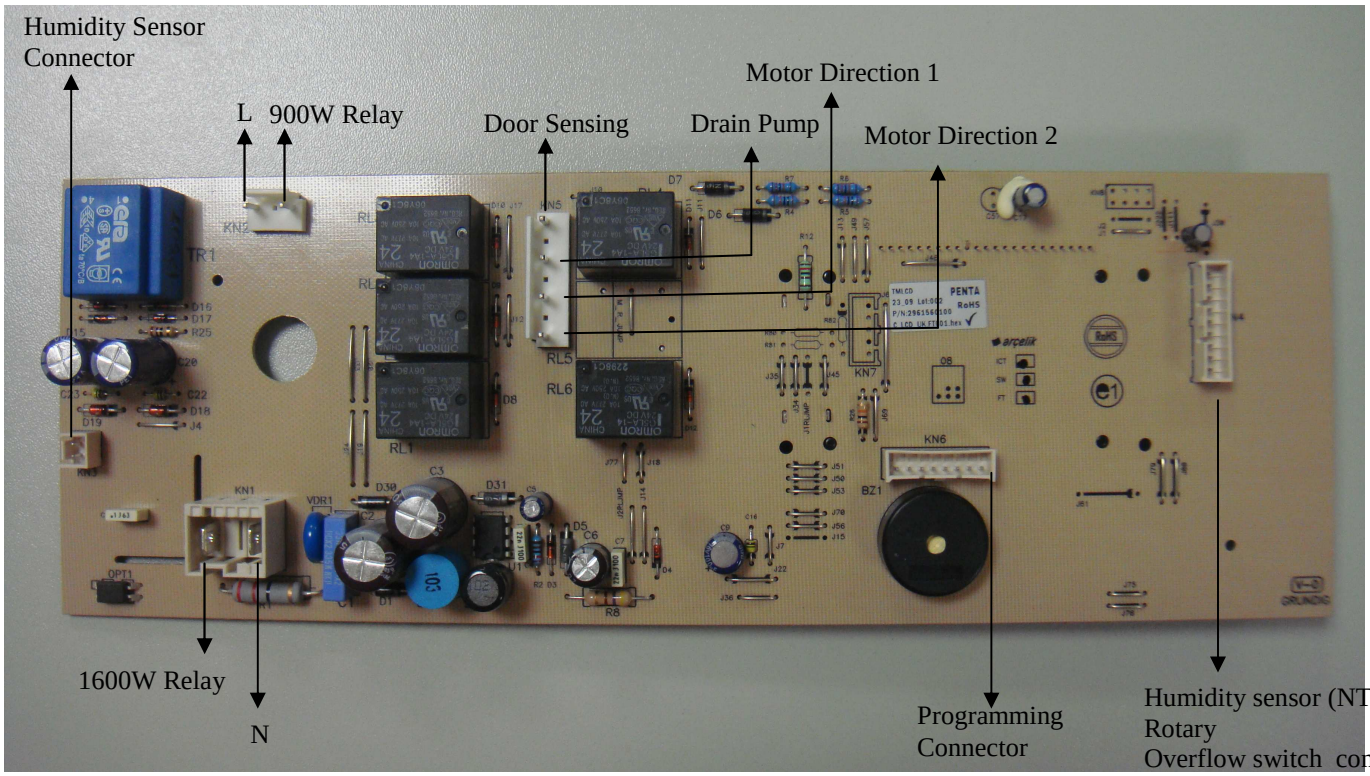
1.13.1. On/off Button : 250 V, 16 (4)A
1.13.2. Door Switch : 250 V, 3 (1)A veya 16(4)A
1.13.3. Suppression Fiter **:** C907C21 0,15 uF(X1) + 1Mohm + 2x0.027uF(Y2)
1.13.4. Program Timer **:** Elektronic Control Card
220 -240V , 50 Hz

1.14. Pump

1.14.1. Number of turns:2x3250
1.14.2. Wire diameter:0,1 mm
1.14.3. Resistance:956 Ω± %8
1.14.4. PCT C870 Epcos
1.14.5. PA6/66 Grilon TS V0,UL 94V-0,GW-650℃
1.14.6. PA6 Latamid 6H V0, UL 94V-0, GW-650℃

2. Components and Dryer Principals:

Electronic Board:



Mechanical Pats (Dynamic System) :
The main motor is attached to the chassis with four special self threaded screws. In order to drive drum a polv-y-V belt ise used between the motor pulley and drum There was used a elastic belt. The drum is made of galvanized sheet steel. The drum group is mounted into the front bearing house and rear bearing steel bracket, which is located rear panel. The heater is mounted to the rear panel wtih two screws.

> **It is advised that the elastic Poly-V belt will be assembled max 3 times. Due to damage on the belt on assembling, after 3 times please change the Poly-V belt also.**

Temperature Sensor (NTC):
Two NTC temperature sensor are used on electronic controlled dryers, one is located after the door filter in suction canal, other is located in the heater. As the temperature of the surrounding of NTC increases, its resistance decreases. At fixed temperature NTC will always have a specified resistance within the tolerance. With the aid of this principle operates until the desired temperature is reached. In this way, the selected program completes properly each time in accordance with the program set an auxiliary function neither selected an ıs nor influenced by air temperature etc.

Humidity Sensor:
Humidity level will be measured by the resistance of clothes. With this property of the humudity sensor, its possible to check and control the humudity level precisely. It is driven by macro.

Heater (Open spiral wire):
A 2500W two circuit open spiral wire type heater is driven by the 2 relays. A manual resettable thermostat is used on these heater, in order to provide IEC safety rules accordingly. This manual resettable thermostat cut the heater power at 160℃ and can be resetted by the pressing the button on thermostat, so heater can be used after a failure bacause of thermostat is open curcuit.

The second temperature regulating element on the heater is NTC. When the desired temperatures is reached, electronic control card reads the resistance of NTC and if the prescribed resistance (and hnce temperature) is reached, the heater is switched off.

This mechanical thermostat operates only;

Locked tumble,
Locked rotor,
Broken fan,
Filter and condenser is full, conditions.

Warning: When NTC is broken down, the heater is changed by the new heater. If thermostat is open curcuit, the same heater will be used by pressing the button on thermostat.

Door Lock :
Locking and unlocking mechanism of the door lock used in the dryer is a mechanical type of the door lock. When the door pushed, the door is locked and the door is closed. When the pull from the handle of the door, it will be open with a suitable force.

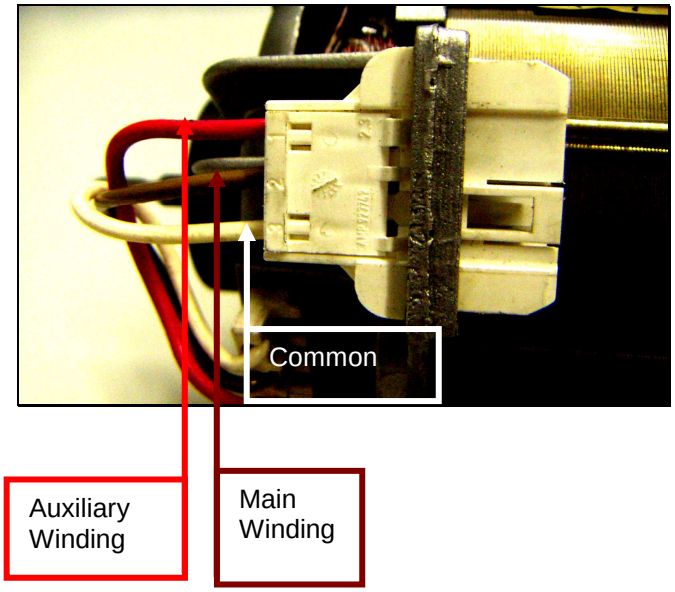
Especially, door lock and hinge sould be checked if there is a locking problem.

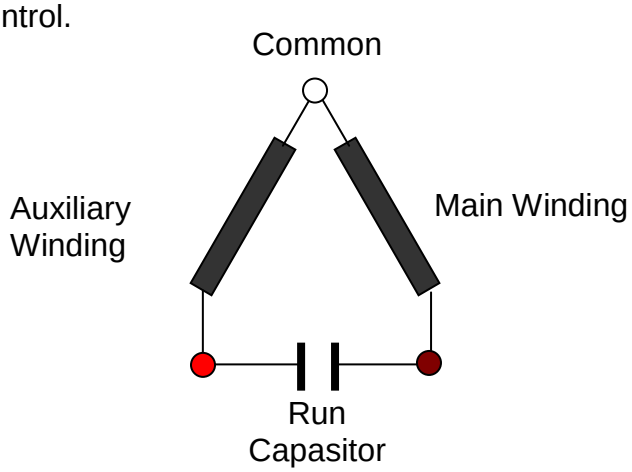
Door Switch :

The current is sent to electronic card and motor by the door switch. By this way when door is opened due to any reason, motor stops automaticlly. However because of EN&IEC safety rules, when the door is closed again, motor does not start. It is necessary to press start/pause/cancel button to restart dryer.

Motor:

Tumble and fan turns via 2 poles asenkron motor. Motor turns 2750 prm ans has a 9 uF capacitor. Asenkron motor is controled by two Control panel two relays one of them for direction, other one is for energy that placed in control.

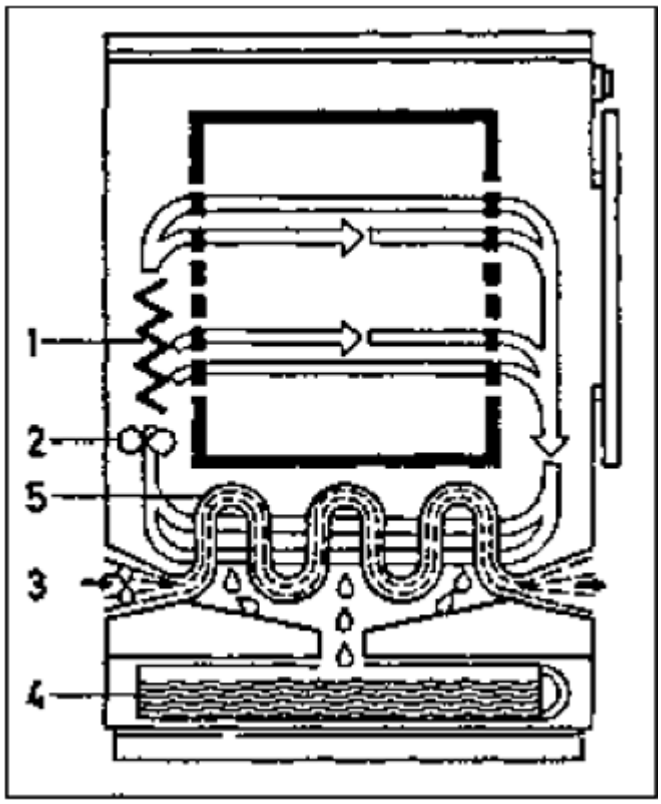




Dryer Principals:

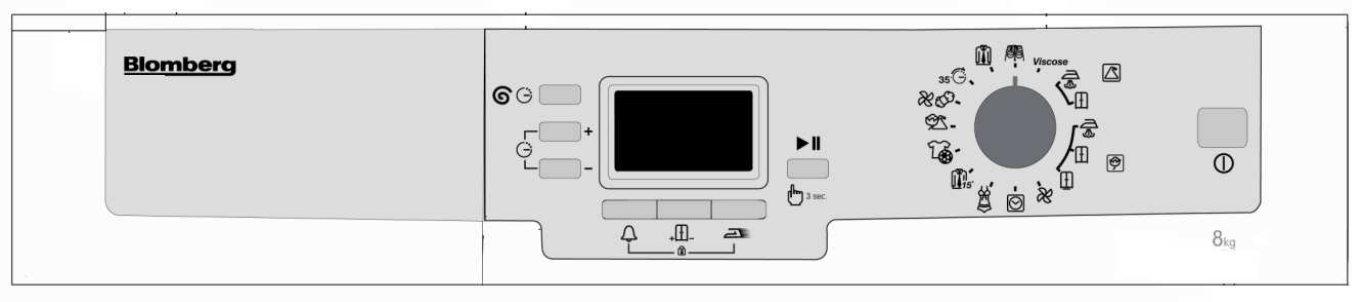
The air heated by the heaters, is directed to the drum and gets moisture of the laundry.
After crossing from the filters, the air pass through the condenser, and condenses.
Then the air is heated again, this circulation continues until the drying process finished.
Condensing occurs by cooling the air. To achieve that, a secondary fan circulates the air in the condenser. Because of the temperature difference between cooling air and heated air, condensing process accomplishes.

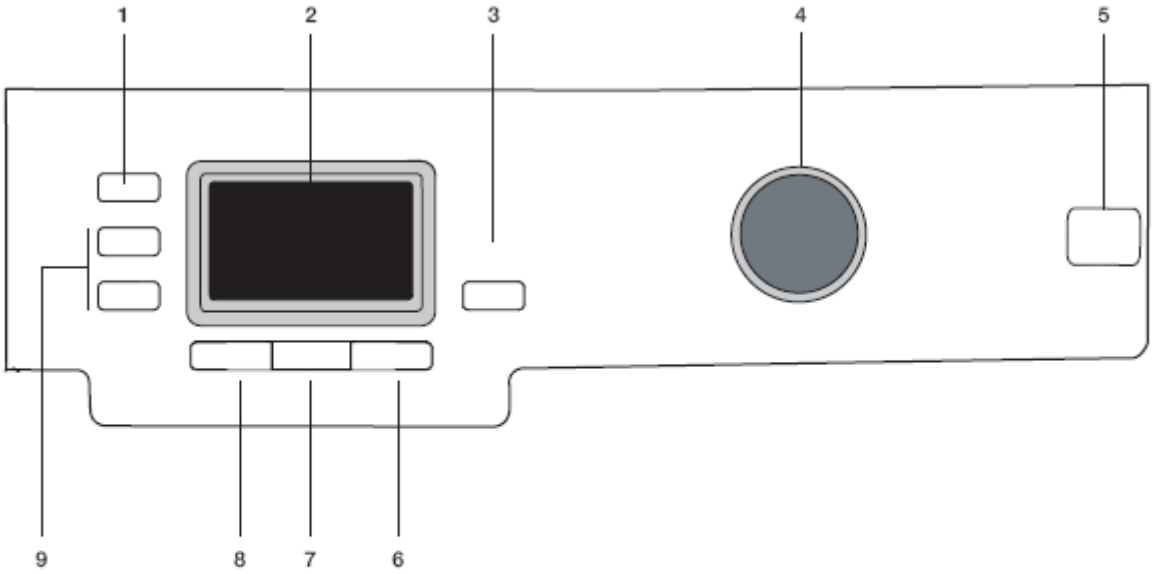
The condensed water is directed to the water tank by the pump for tank up version.



- Heater
- Process Fan
- Cooling Fan
- Condensed Water
- Condenser

3. Control System:





1. Washing machine spin speed*/Timer programme selection
Spin speed used to spin the laundry in the washing machine / Indicates the time for timer programs.

2. Display
Indicates the status of the machine.

3. Start/Pause/Cancel button
Used to start, pause or cancel the programme.

4. Programme selection knob
Used to select a programme.

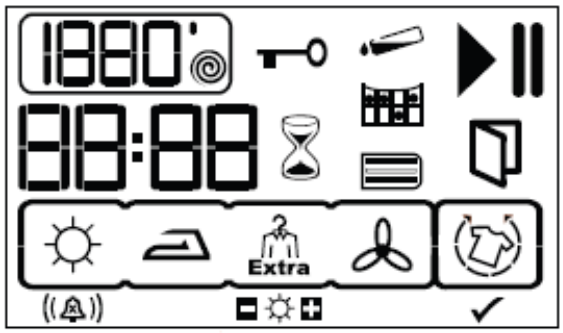
5. On/Off button
Used to turn on and off the machine.

6. Anti-creasing
Prevents the laundry from creasing after the machine completes its programme.

7. Dryness level
Used to adjust the required dryness level.

8. Cancel audio warning
Used to cancel the audio warning given at the end of the programme.

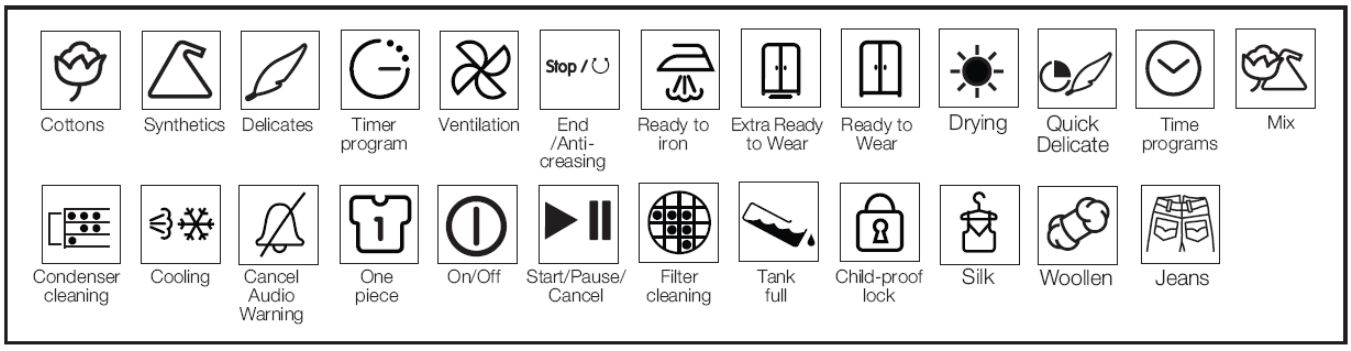
9. Time delaying buttons
Used to set the time delay.



- Spin speed / Timer programs ★
- Operation icon
- Pause icon
- Water tank full warning icon
- Filter cleaning warning icon
- Condenser cleaning warning icon
- Remaining time indicator
- Child-proof lock warning icon
- Time delaying mode
- Door open warning icon
- Anti-creasing mode
- Audio warning level / Cancel audio warning
- Drying degree
- Anti-creasing is activated

★ Spin speed is used to show the remaining time more accurately.
It does not affect the performance of your machine.

Symbol Explanations:



Auxiliary function

Audio Warning

Cancel audio warning | Audio warning level 1 | Audio warning level 2 | Audio warning level 3

Your dryer will give an audio warning when the programme comes to an end. If you do not want to hear this buzzing or want to change the volume level, you need to press the "Volume level" button. No audio warning will be given when "x" appears on the screen.

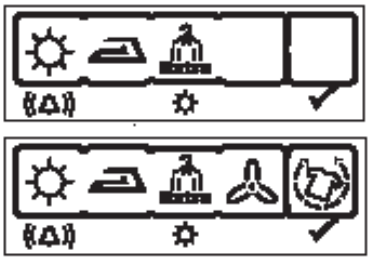
- You can select this function either before or after the programme starts.

Drying degree

Used to adjust the required dryness level. More drying is performed compared to the default settings when "+" sign appears and less drying is performed when "-" sign appears. Programme duration can change depending on the selection.

- This function must be selected before the programme starts.

Anti-creasing



A 2-hour anti creasing programme to prevent laundry from creasing will be activated if you do not take the laundry out after the programme is over. This programme rotates the laundry in 600-second intervals to prevent creasing. Press "Anti-creasing" button to activate. Anti-creasing is activated but the programme is running in the first exemplary figure. Drying is over and the first step of anti-creasing has started in the second figure.

Changing the contrast

Contrast can be adjusted in order to make the symbols on the display appear clearer. It may particularly be necessary to change the contrast setting of the display when the dryer is installed over a washing machine.press and

Press and hold the Spin Speed/Time button for 3 seconds.
When the contrast is changed at the end of 3 seconds, all symbols on the display will become visible for 3 seconds in order to indicate that the process is complete. Perform the same procedure to revert back to the previous contrast setting.

Warning indicators

- Warning indicators may differ according to the model of your machine.

Filter cleaning

A warning symbol will appear to remind filter cleaning after the programme finishes.

- f the filter cleaning symbol flashes continuously, please refer to "Suggested solutions for problems".

Water tank

A warning symbol will turn on at the end of the programme or when the tank is full with water. The machine stops operating if the warning symbol turns on when a programme is running. To restart the machine, please drain the water in the water tank. Press "Start/Pause/Cancel" button to start the programme after you have emptied the water tank. The warning symbol turns off and the programme resumes operating.

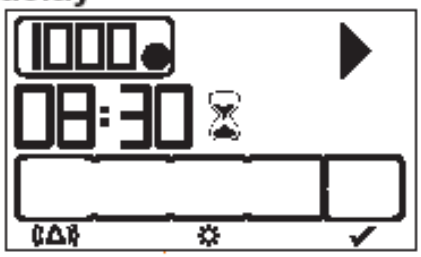
Cleaning the condenser

Warning symbol turns on with certain intervals to remind that the condenser needs cleaning.

Door open

Dryer door open symbol lights up.

Time delay



With the "Time delay" function you can delay the programme start up to 24 hours.

1. Open the loading door and put the laundry in.
2. Set the drying programme and spin speed, and if required, select the auxiliary functions.
3. Press "Time delaying" buttons "+" and "-" to set the desired time delay. The time delay symbol will flash.
4. Press "Start/Pause/Cancel" button. Then the time delay starts to count down. The Time delay symbol lights up. Start symbol lights up.

The ":" in the middle of the displayed time delay will start flashing.

More laundry may be loaded or taken out during the time delay period. At the end of the time delay countdown process, time delay symbol fades, drying process starts and the programme duration is displayed. The time on the display is the total of normal drying time and delay time.

Time delay is started by pressing the start/pause/cancel button in the exemplary figure.

Changing the delay time

If you want to change the time during the countdown:

1. Press "Start/Pause/Cancel" button for 3 seconds to cancel the programme. Time delay function must be set again for the required time.
2. Press Time delay buttons "+" or "-" to set the desired time delay.
3. Press "Start/Pause/Cancel" button. The Time delay symbol lights up. Pause symbol fades. Start symbol lights up.
4. The ":" in the middle of the displayed time delay will start flashing.

Canceling the time delay

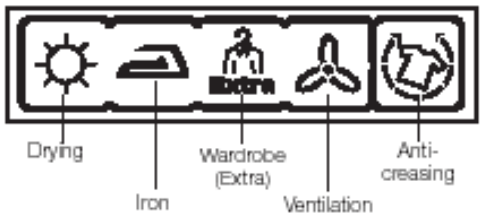
If you want to cancel the time delay countdown and start the programme immediately:

1. Press "Start/Pause/Cancel" button for 3 seconds to cancel the programme.
2. Then, press "Start/Pause/Cancel" button to start the desired programme.

Starting the programme

1. Press "Start/Pause/Cancel" button to start the programme.
2. "Start/Pause" symbol will light up to indicate that the programme has started and ":" symbol between the remaining time will continue flashing.

Progress of programme



The progress of a running programme is shown through a number of symbols on the screen.

At the beginning of each programme step, the relevant symbol in the series of symbols will light up and thus, all symbols will remain lit up at the end of the programme. The symbol that is lit up at the far right of the series of symbols indicates the step that is being carried out.

"Drying":

- Lights up in all programmes apart from drying and ventilation.

"Iron Dry":

- Starts to illuminate when the drying degree reaches "iron dry" step and remains illuminated until the next step.

"Cupboard Dry":

Starts to illuminate when the drying degree reaches "wardrobe dry" step, and remains illuminated until the next step.

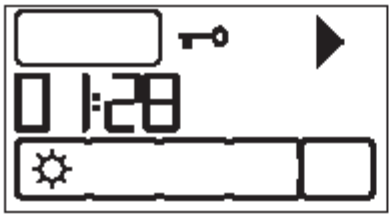
"Extra Dry":

Starts to illuminate when the drying degree reach to "wardrobe dry extra" step.

"Refresh":
- Illuminates when the programme ends.
- Anti-creasing icon will light up at the end of the programme if anti-creasing function is active.

Changing the programme after the programme has started

You can use this feature to dry your laundry in a different program after your machine has started to run.



For example;
Press and hold the "Start/Pause/Cancel" button for about 3 seconds to "Cancel" the programme in order to select "Extra Dry" programme instead of "Iron Dry" programme. Select the "Extra Dry" program by rotating the program knob. Press "Start/Pause/Cancel" button to start the program.

- If you select a new programme by turning the programme selection knob while your machine is running, then the current program is cancelled and new programme information is displayed.

Adding/removing laundry in standby mode

In order to add or take out laundry after the start-up of the programme;

1. Press the "Start/Pause/Cancel" button to switch the machine to "Pause" mode. Drying process will stop.
2. Open the door at Pause position and close it again after adding or taking out laundry.
3. Press "Start/Pause/Cancel" button to start the program.

- Any laundry added after the drying process was started may cause the already dried clothes in the machine intermingle with wet clothes and the result will be wet laundry after the drying process is over.
- Laundry may be added or taken out as much as desired during a drying process, but as this process will interrupt drying continuously, it will extend the program duration and increase energy consumption. Therefore, it is recommended to add laundry before the drying programme has started.
- If you select a new programme by turning the programme selection knob while your machine is in standby, then the current program is cancelled and new programme information is displayed.

Child-proof lock

There is a child-proof lock to prevent any programme interruption due to the pressing of button while the programme is running. The loading door and all button except the "On/Off" button on the panel are deactivated when the child-proof lock is active.
In order to activate the child-proof lock, press on the "audio warning" and "anti-creasing" buttons simultaneously for 3 seconds.
To start a new programme after the programme is over or to interrupt the programme, the child-proof lock should be deactivated. Press the same buttons for 3 sec. again to deactivate the child-proof lock.
Lock symbol will appear on the screen when the child-proof lock is activated.

- Child-proof lock will also be deactivated when the machine is restarted by pressing the on/off button.

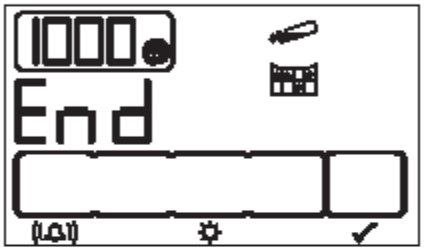
When the child-proof lock is activated:

- Display icons will not change even if the position of programme selection knob is changed while the machine is running or in halt.
- If the child-proof lock is deactivated after changing the position of the programme selection knob while your machine is running, your machine stops and new programme information is displayed

Ending the programme through canceling

A new program can be selected and started after "Program cancel" is activated in order to change the drying program.
To cancel any selected programme:
Press "Start/Pause/Cancel" button for about 3 seconds. "Lint filter cleaning" and "Water tank" warning symbols light up and "End" label appears on the screen as a reminder at the end of this period.

- As the inside of the machine will be excessively hot when you cancel the program while the machine is running, activate the ventilation program to cool it down.



- If you change the position of programme selection knob while your machine is running, then the machine stops, current programme is cancelled and new programme information is displayed.

End of programme

"Filter cleaning" and "Water tank" warning symbols light up and "End" label appears on the screen in the programme follow-up indicator when the programme ends.
The door can be opened and the machine becomes ready for a second cycle.
Press "On/Off" button to turn off the dryer.

- When selected, the 2-hour anti creasing programme will be activated to prevent laundry from creasing if you do not take the laundry out after the programme has come to an end.
- Clean the filter after each drying (please see, Filter cleaning).
- Drain the water tank after each drying (please see, Water tank)

Main programmes

Depending on the type of laundry, the following main programmes are available:

•Cottons

You can dry your durable laundry with this programme. Dries at high temperature. It isrecommended to use for your cotton items (such as bed sheets, quilt cover, underclothing,etc.).

•Synthetics

You can dry your less durable laundry with this programme. It dries at a lower temperature compared to the cottons programme. It is recommended for your synthetic laundry (suchas shirts, blouses, synthetic/cotton blendedlaundry, etc.).

Warning: Do not dry curtains and lace in yourmachine.

Special programmes

For special cases, there are also extra programmes available:

Warning: Additional programmes may differ according to the model of your machine.

•Mini 35'

You can use this programme to dry your cottonlaundry that you have spun at high speeds in your washing machine. This programme dries 2 kg cotton laundry (3 Shirts/5 T-shirts)) in 35 minutes.

Warning: To obtain better results from your dryer, your laundry must be washed at suitable programmes and spun at the recommended spin speeds in the washing machine.

•Shirts

This programme dries the shirts more sensitively and creases them less and thus, helps to iron

them more easily.

Warning: There may be a little humidity on your shirts at the end of the programme. We recommend you not to leave the shirts in the dryer.

•Jeans

You can use this programme to dry your jeans that you have spun at high speeds in your washing machine.

Warning: Review the relevant section in the

programme table.

•Mixed

Used to dry synthetic and cotton laundry that do not release colour. Used for laundry that is suitable for drying.

•Sport

Used to dry the laundry that are made of synthetic, cotton or mixed fabrics and have a tag indicating that they are suitable for drying.

• Woolen preparation
You can use this function to ventilate and soften your woolen laundry that can be washed in the washing machine. Do not use this function to dry your laundry completely. Take out your laundry and ventilate.

•Lingerie

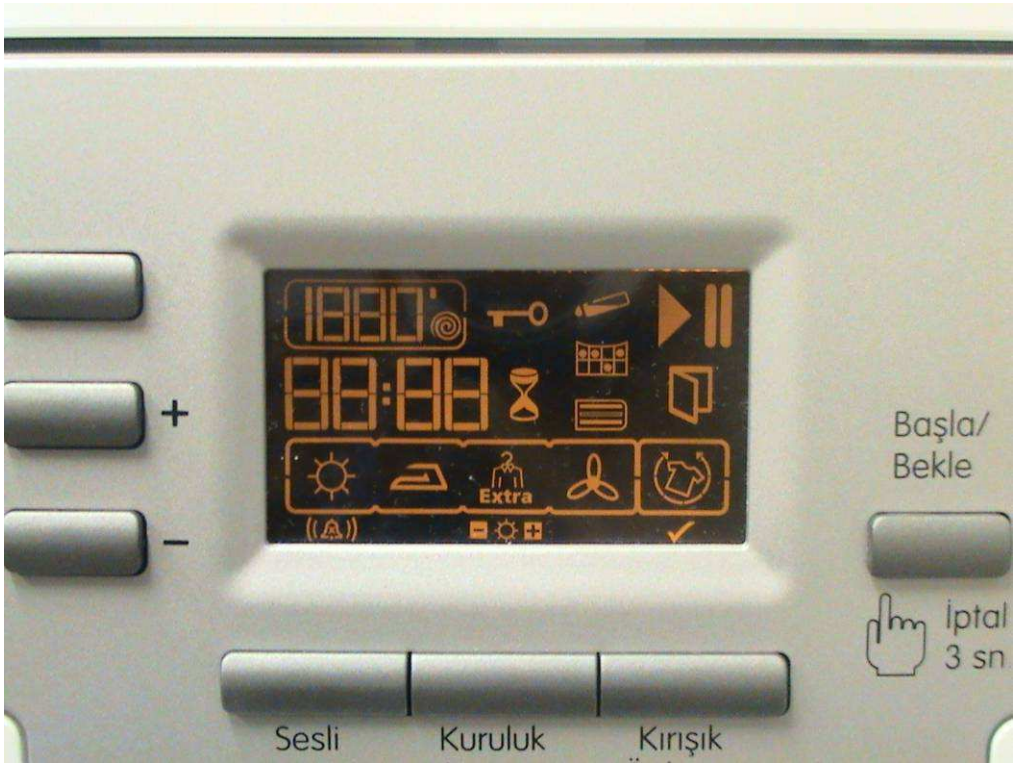
Suitable to dry the 100% synthetic or synthetic-mixture satin type underwear (nightgown, garments for upper body, pajamas) with the word dryable in the washing instructions.Products with a high accessory content such as lace, veil, stone, beads and wires and products with a high content of silk should not be dried.The silk laundry with cotton content or satin look may remain wet when dried with this program. The level of dryness may depend on the mixture of the cloth, type of knitting and the humidity content.

•Viscose
You can dry your Viscose laundry that marked as it can dry in tumble dryer(dresses, shirts, underwear, etc…). Viscose/polymer, viscose/ cotton mixed laundry is also suitable for this program.
Warning: It is not recommended to dry laundry that has accessory of pile textile, lace,small stones etc… Drying level can be changeable according to the type and mixture of laundry.

4. Service Test Program:

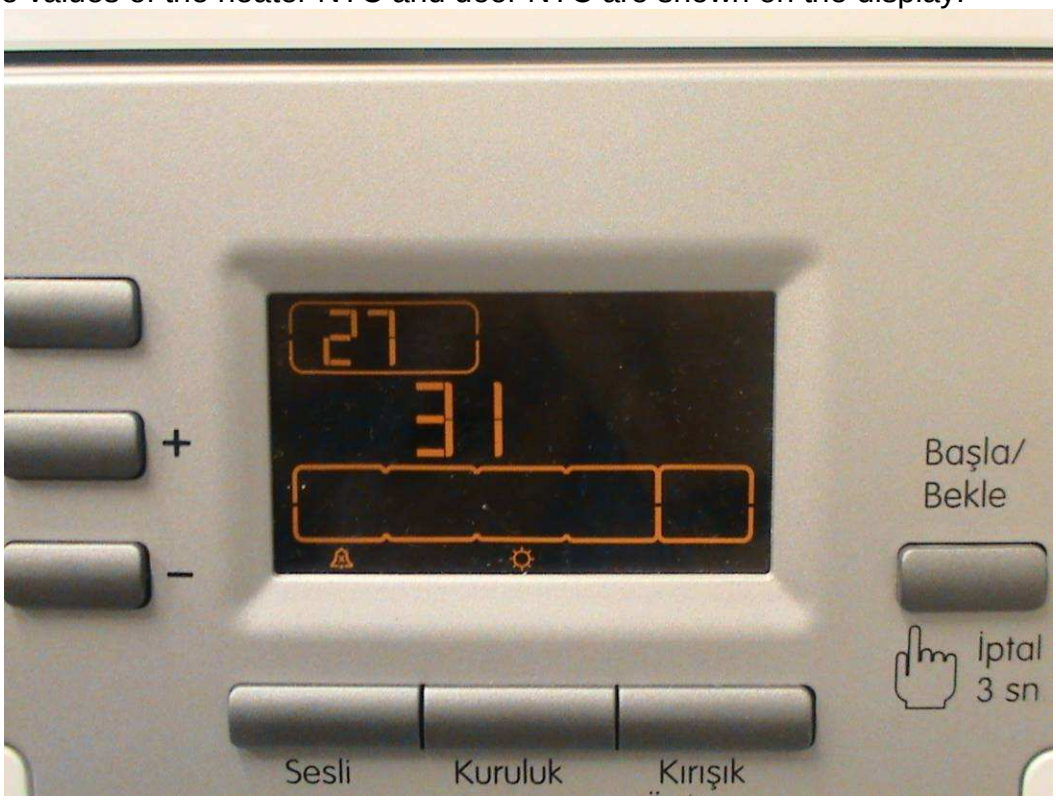
Step 1: Program selector is set as wool refresh and while pressing the cancel audio warning button, turn on dryer. After 3 seconds service test program starts. In this program start/pause/cancel button is used to pass other steps.

Step 2: All leds are blinking and buzzer sounds.



Step 3 :On the display,the supplying voltage and the software version is shown.

Step 4: The values of the heater NTC and door NTC are shown on the display.

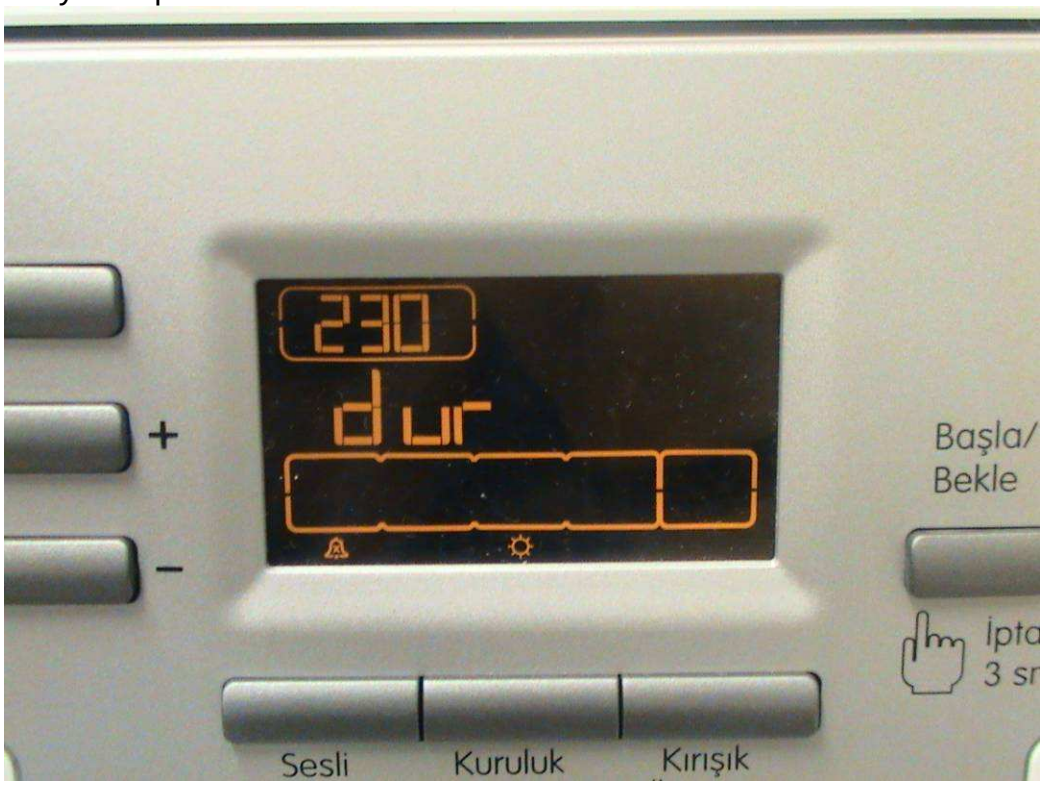


Step 5: Motor turns clockwise. Check the sensor if the sensor are open circuit. It can not be passed to the next steps till the sensors are open circuit. Double beep is heard when the Start/Pause button is pushed. One beep is heard when the sensors are open circuit. After that you may pass to the next steps.

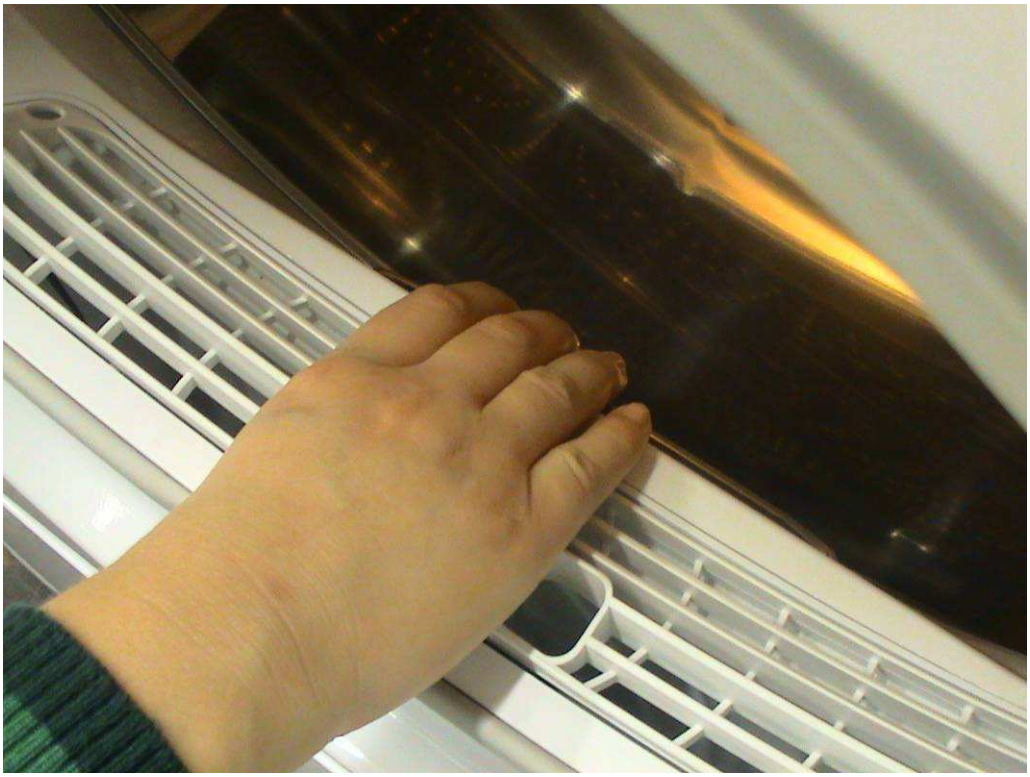
Step 6: First level heater 900W is on.

Step 7: First level heater 1600W is on.

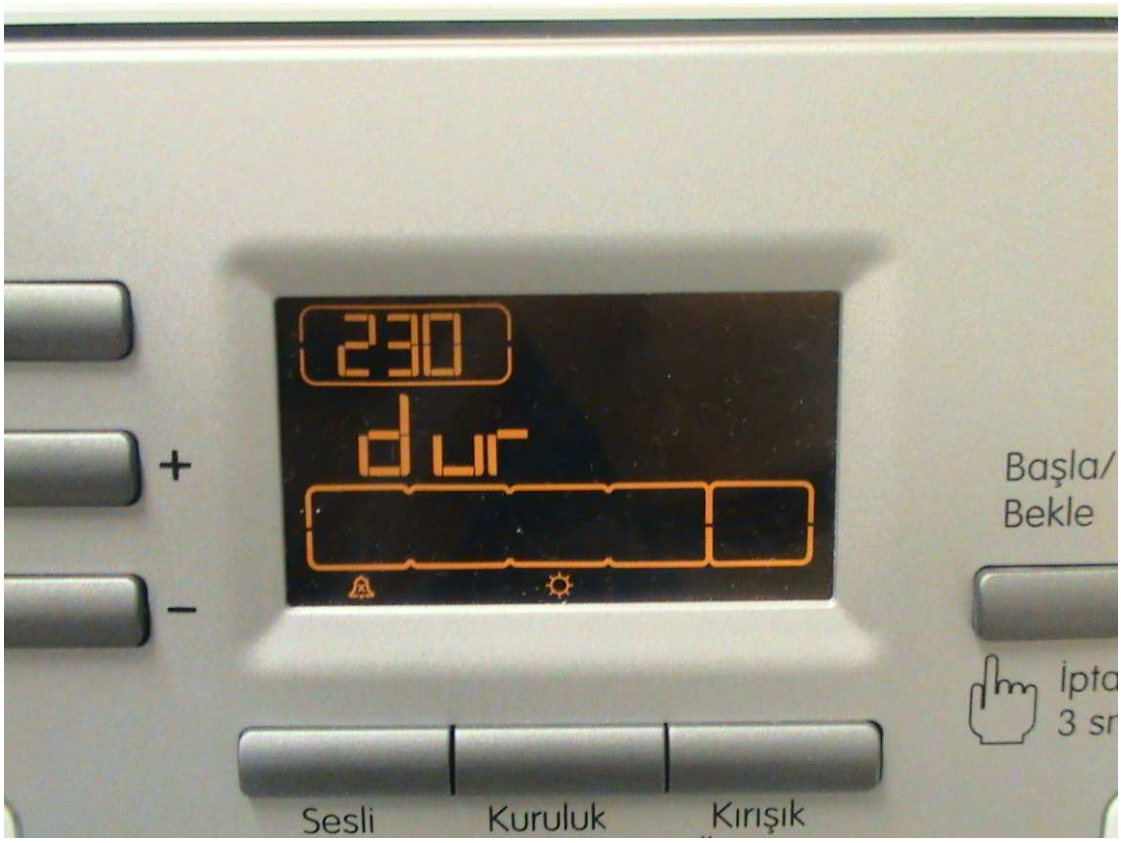
Step 8: The dryer stops.



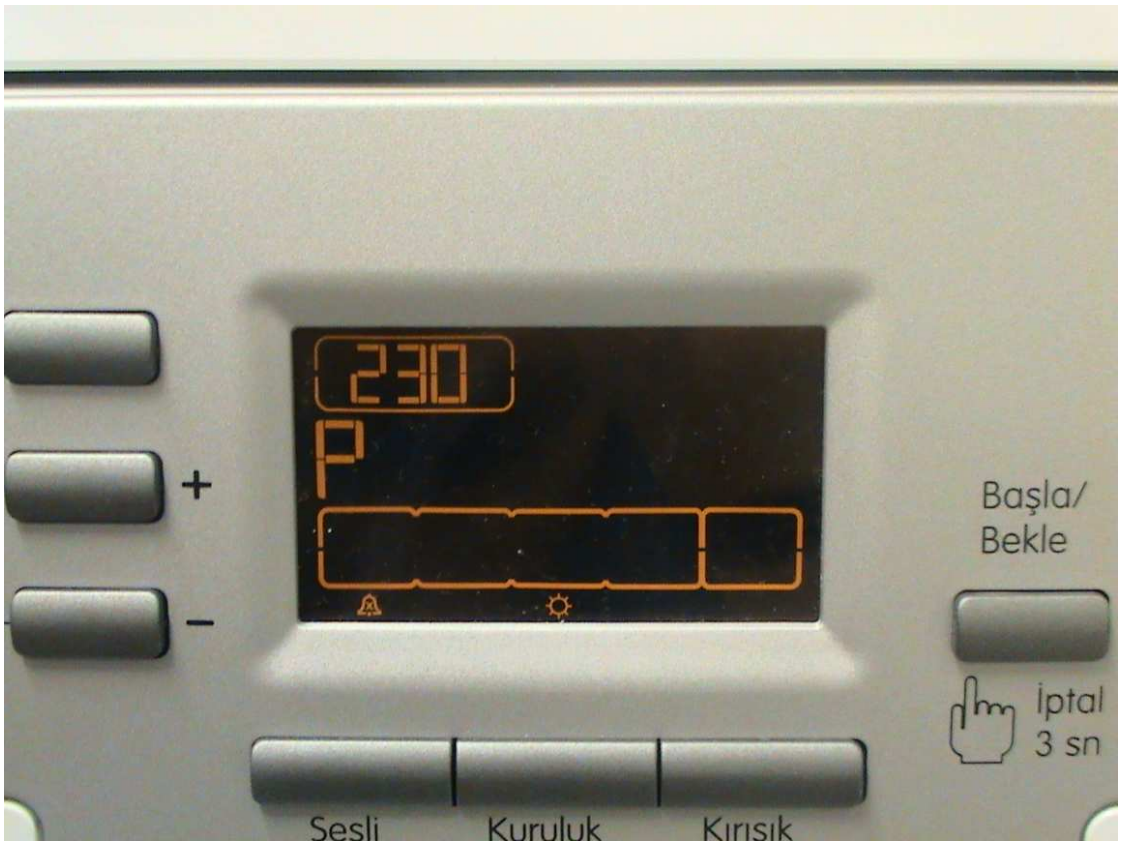
Step 9: Motor turns counterclockwise. Make the sensor short circuit by touching the sensor plate .Check the if the sensor are short circuit. It can not be passed to the next steps till the sensors are short circuit.Double beep is heard when the Start/Pause button is pushed.One beep is heard when the sensors are short circuit.After that you may pass to the next steps.



Step 10: The dryer stops.



Step 11: The pump is activated.



Step 12: The last 3 failure codes are shown on the display in turns.There is no necessary to push start/pause button.When it is pushed ,it goes back to the first step.

Failure 1:

Failure 2:

Failure 3:

Failure Codes :

Failure code	Description	Explanation
0	ERROR_CONSTANT_VALUE	The same valued is read for 5 minutes
1	N/A	N/A
2	ERROR_TANK_FULL	Water tank is full
3	ERROR_ROTARY	Rotary is broken
4	ERROR_HEATER_NTC	Heater NTC is shot circuit or open circuit.
5	ERROR_DOOR_NTC	Door NTC is shot circuit or open circuit.
6	ERROR_HEATER_HIGH_TEMPERATURE	Heater tempareture is over limit.
7	ERROR_DOOR_HIGH_TEMPERATURE	Door tempareture is over limit.
8	ERROR_CLEAN_FILTER	Filter is full with fuzz
9	ERROR_BROKEN_STRAP	V-belt is broken
10	ERROR_TEMPERATURE_DIFFERENCE	The temparature difference between heater NTC and Door NTC is 60 degrees
11	ERROR_HEATER_TEMPERATURE_RAPIDLY_INCREASED	Heater temparature is rapidly increased between 15 and 25 seconds.
12	ERROR_DOOR_OPENED	The door is opened during the cycle.
13	ERROR_HIGH_VOLTAGE	The voltage is over 265V .
14	ERROR_LOW_VOLTAGE	The voltage is under 165V .
15	ERROR_MAX_TIME	If the humidity sensor drying programs reaches its maximum time limits.
16	ERROR_DRUM_IDLE	Only beginning of sensor drying programs.
17	ERROR_Program_ROTARY	If the Rotary is turned during Run Mode.

New Error Mode in the Service Test Mode

Step 1: In the Service Mode when the LCD shows Software version, for example: "u07".

Step 2: Turn the rotary to "Time" programme.

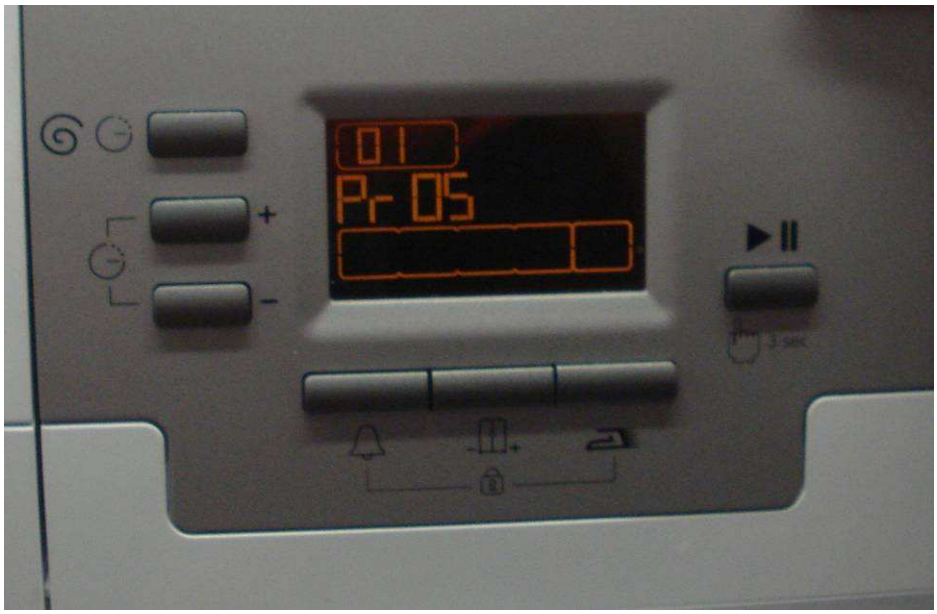
Step 3: Press the Start/Pause/Cancel button then you will be in the New error mode. Current cycle information can be seen once before the error menu. CC: **Current Cycle**, 34: **Number of cycle.**

Step 4.1 : Press the Start/Pause/Cancel button once to pass to step 4.

[01] : Shows the last occured error.

If Start/Pause/Cancel button is not pressed then every definition in 4th step will be displayed for 2 sec intervals.

Pr:xx: Program in which error occurs. Pr 05: Error occurs in the 5 th programme.



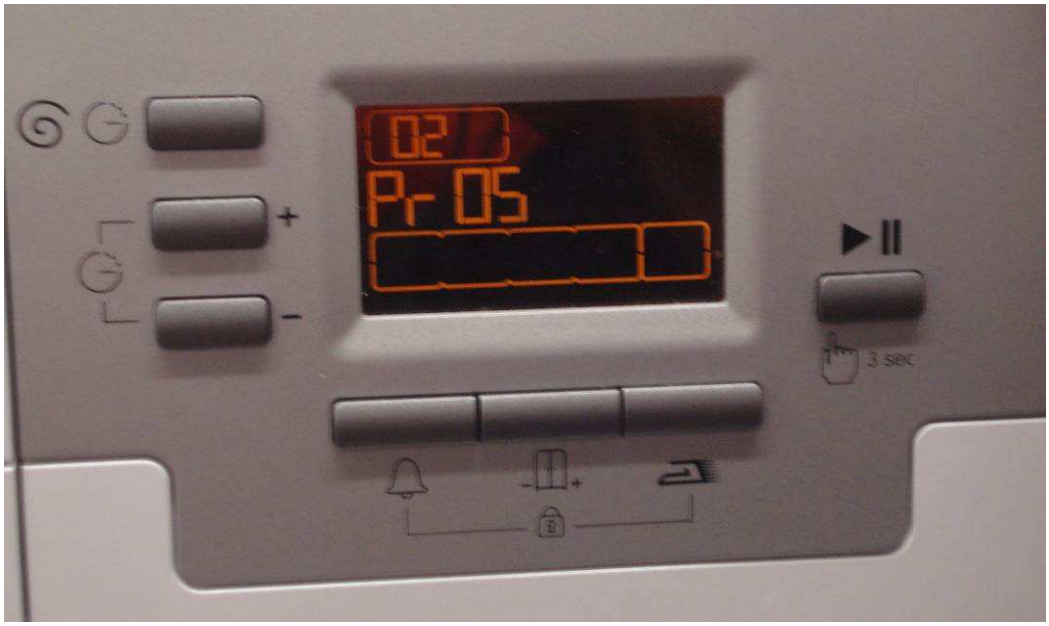
Step 4.2 yy:yy: Cycle in which error occurs. 00 31: Error occurs in the 31th cycle.

Step 4.3 Er:aa: “aa” shows the Error Code. If there is not any error, user will see “- -“ in the display.

Er 07: Error Code "7" has occured. User can check the definition of error from Failure Codes.

Step 5: If Start/Pause/Cancel button is pressed once, the next error will be seen. By pressing Start/Pause/Cancel button in series, the last 20 errors can be seen in order. When you are in error mode user will follow the numbers of errors in "RPM" window.

[02] : Show the order of the errors.



Step 6: [20] : Show the order of the errors.

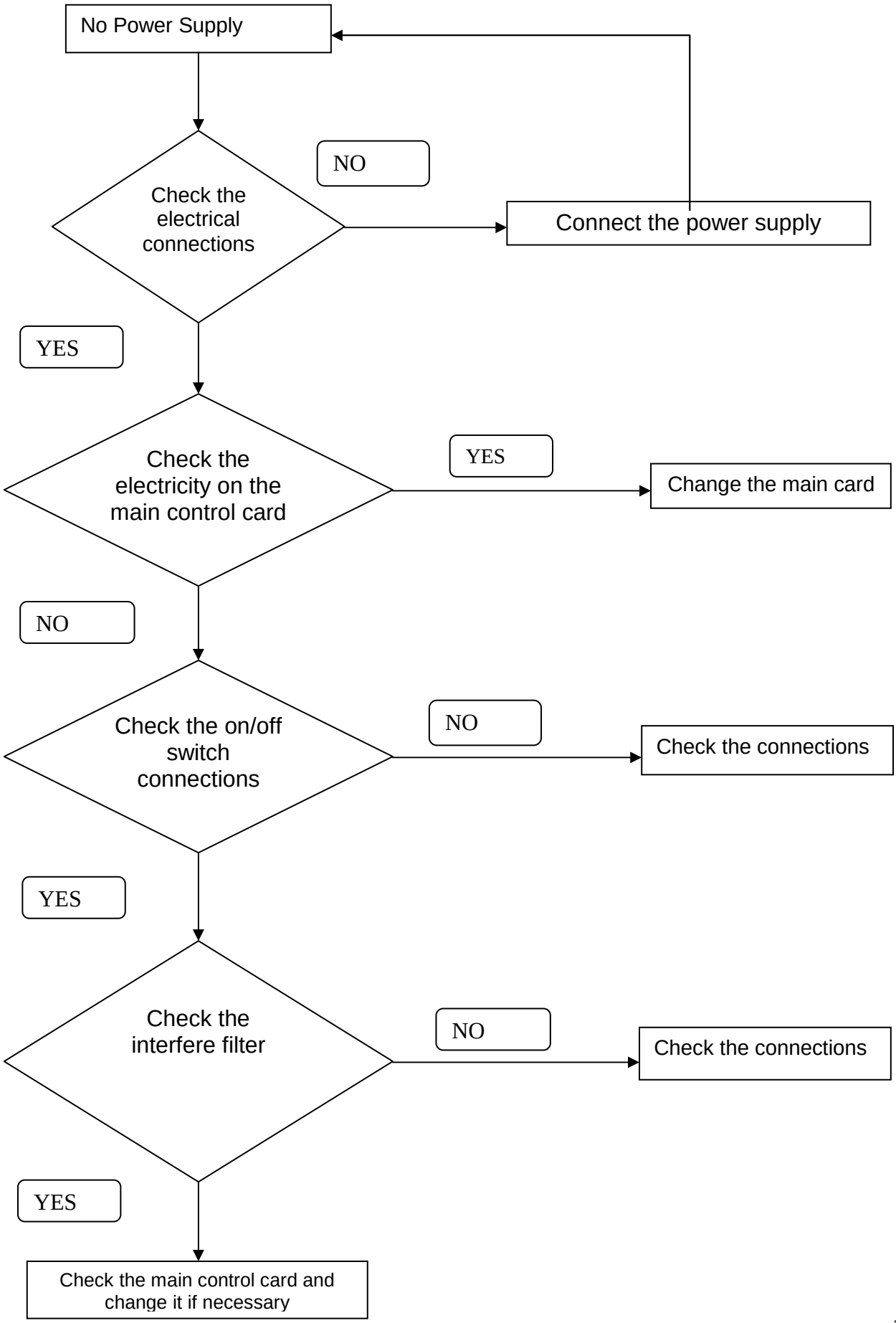
Error Definition:
[01] : Last occured Error.
[02] : Error before Last one.
....

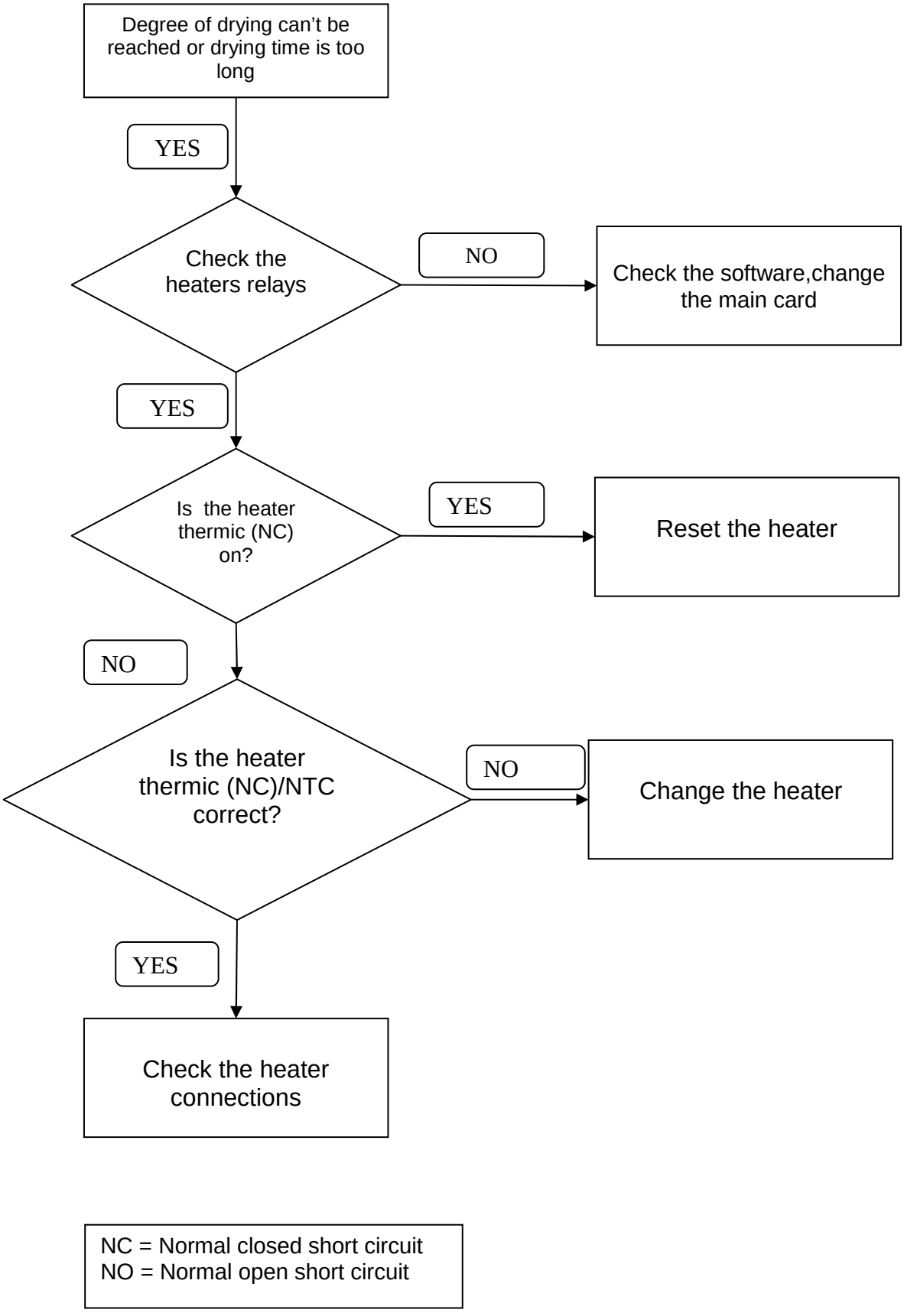
....

[20] : 20th Error

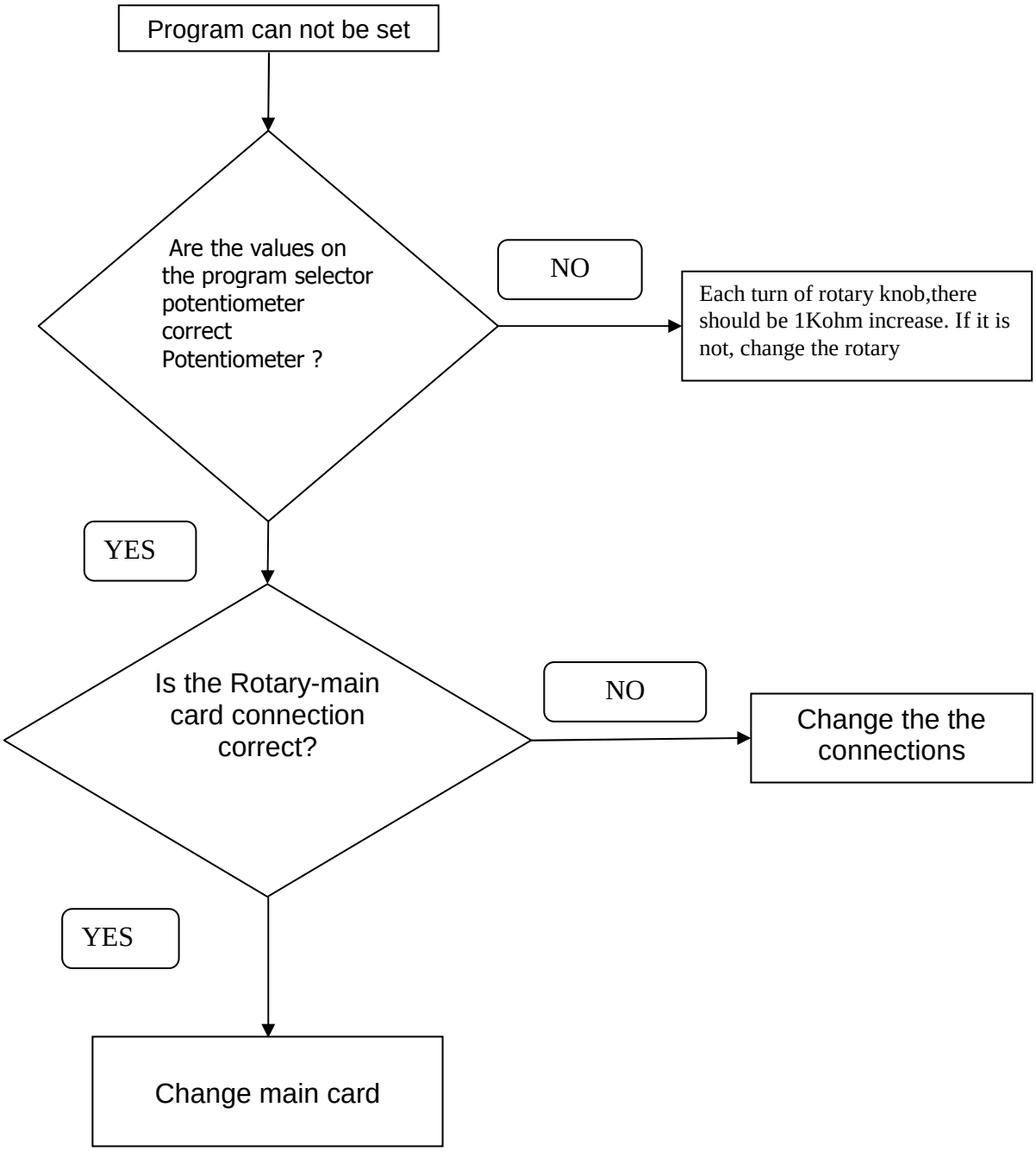
Program Definition:
Pr 00 : Cotton Extra Dry
Pr 01 : Cotton Cupboard Dry
Pr 02 : Cotton Iron Dry
Pr 03 : Synthetic Cupboard Dry
Pr 04 : Synthetic Iron Dry
Pr 05 : Jeans
Pr 06 : Shirt
Pr 07 : Refresh
Pr 08 : Timed
Pr 09 : Viscone
Pr 10 : Lingerie
Pr 11 : Shirts 15
Pr 12 : Sport
Pr 13 : Mix
Pr 14 : Woolen Refresh
Pr 15 : Ready 35

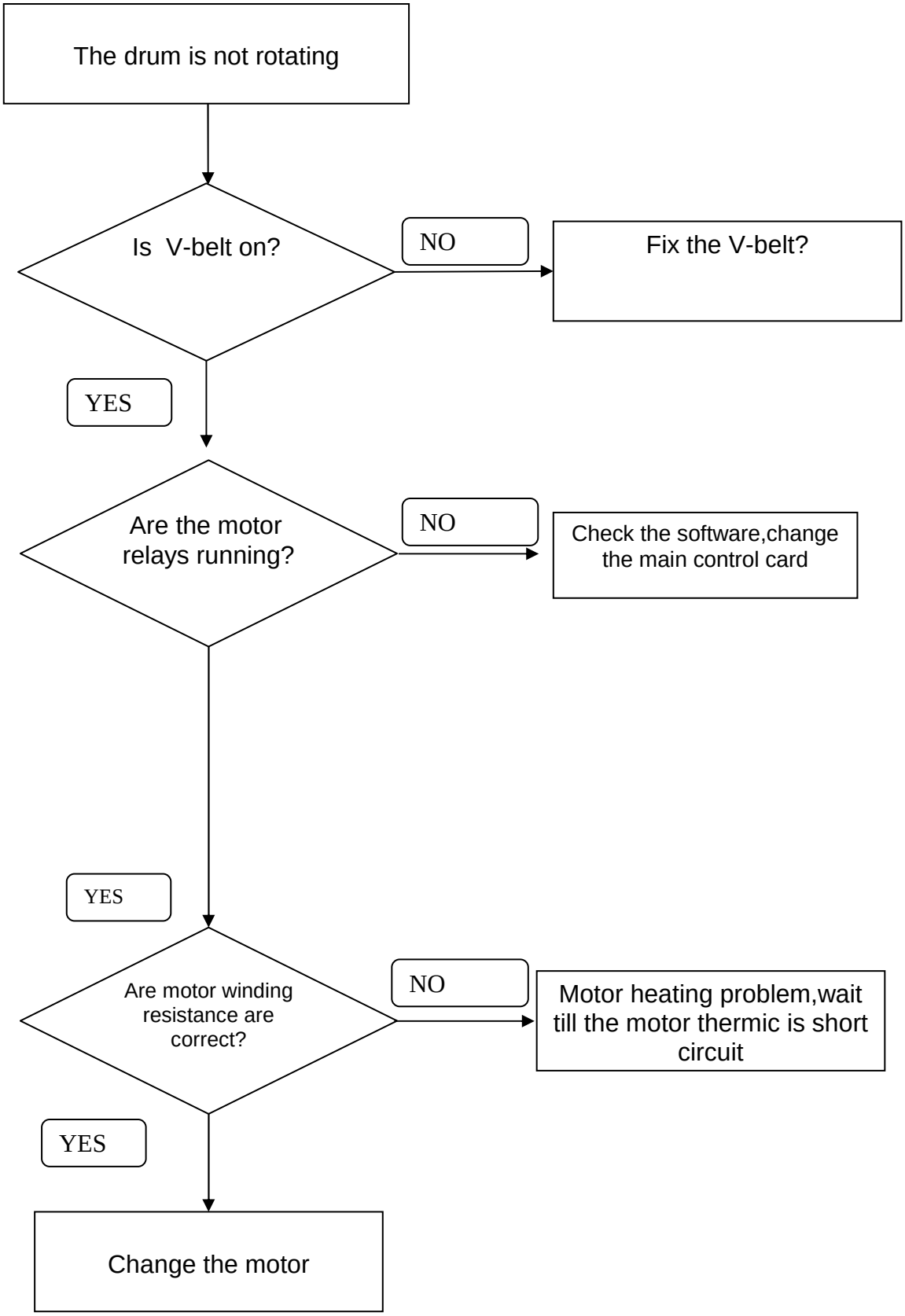
5. Faults Algorithms :

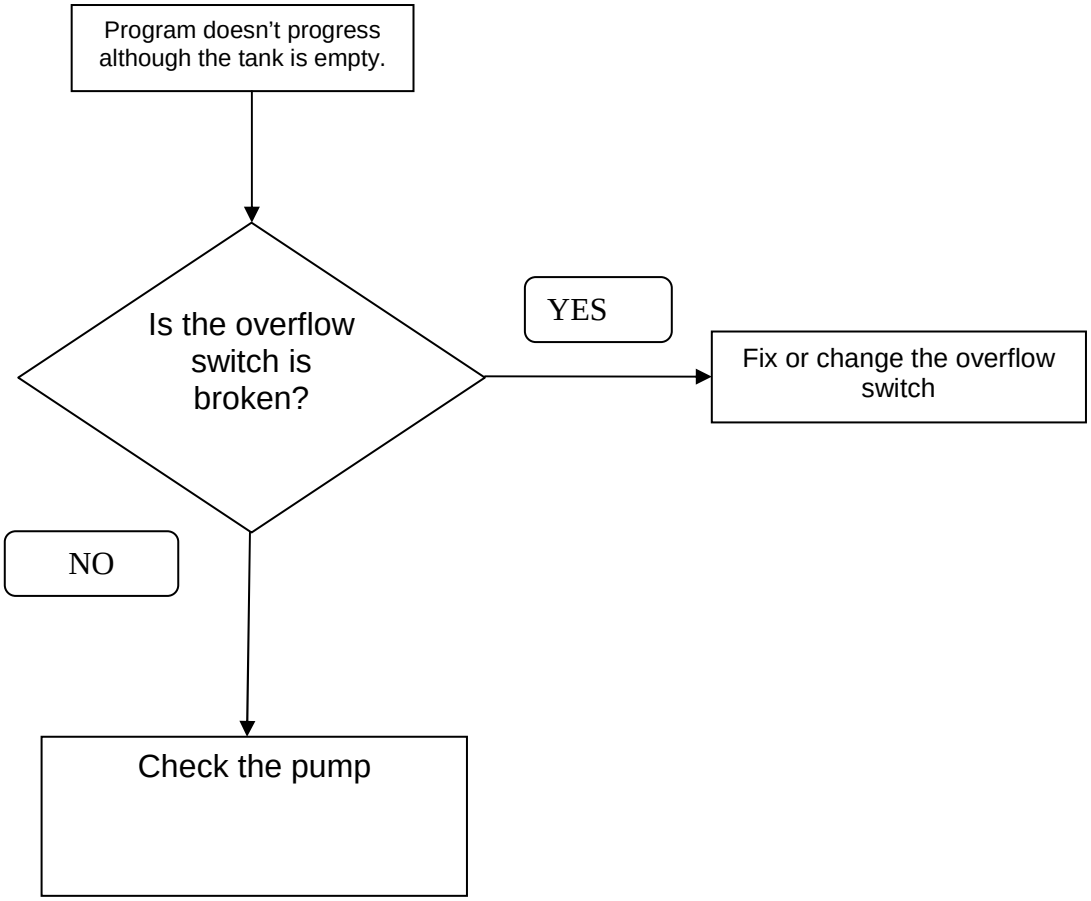




NC = Normal closed short circuit
NO = Normal open short circuit

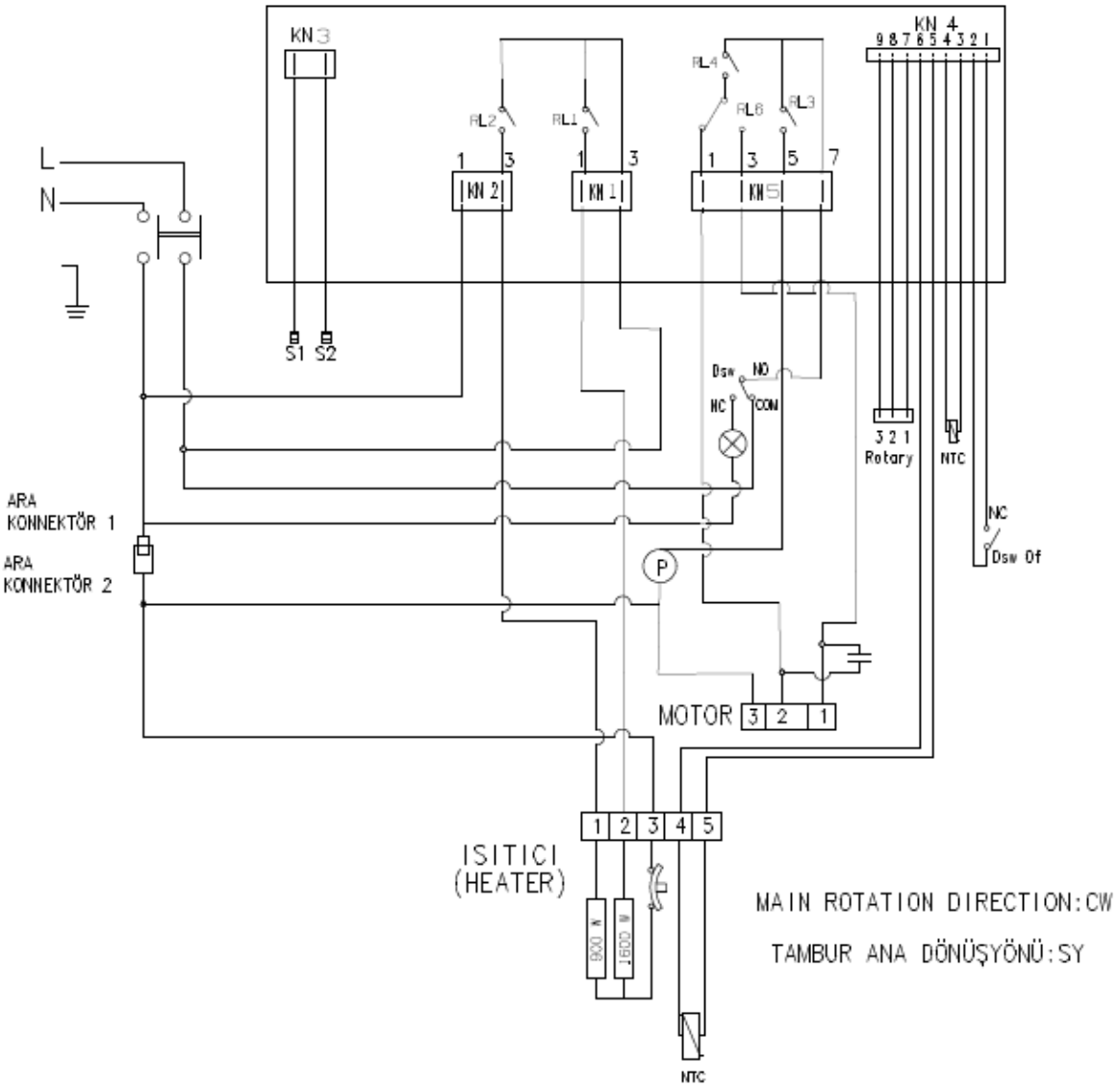

Program can not be set
Are the values on the program selector potentiometer correct Potentiometer ?
NO
Each turn of rotary knob,there should be 1Kohm increase. If it is not, change the rotary
YES
Is the Rotary-main card connection correct?
NO
Change the the connections
YES
Change main card


The drum is not rotating
Is V-belt on?
NO
Fix the V-belt?
YES
Are the motor relays running?
NO
Check the software,change the main control card
YES
Are motor winding resistance are correct?
NO
Motor heating problem,wait till the motor thermic is short circuit
YES
Change the motor

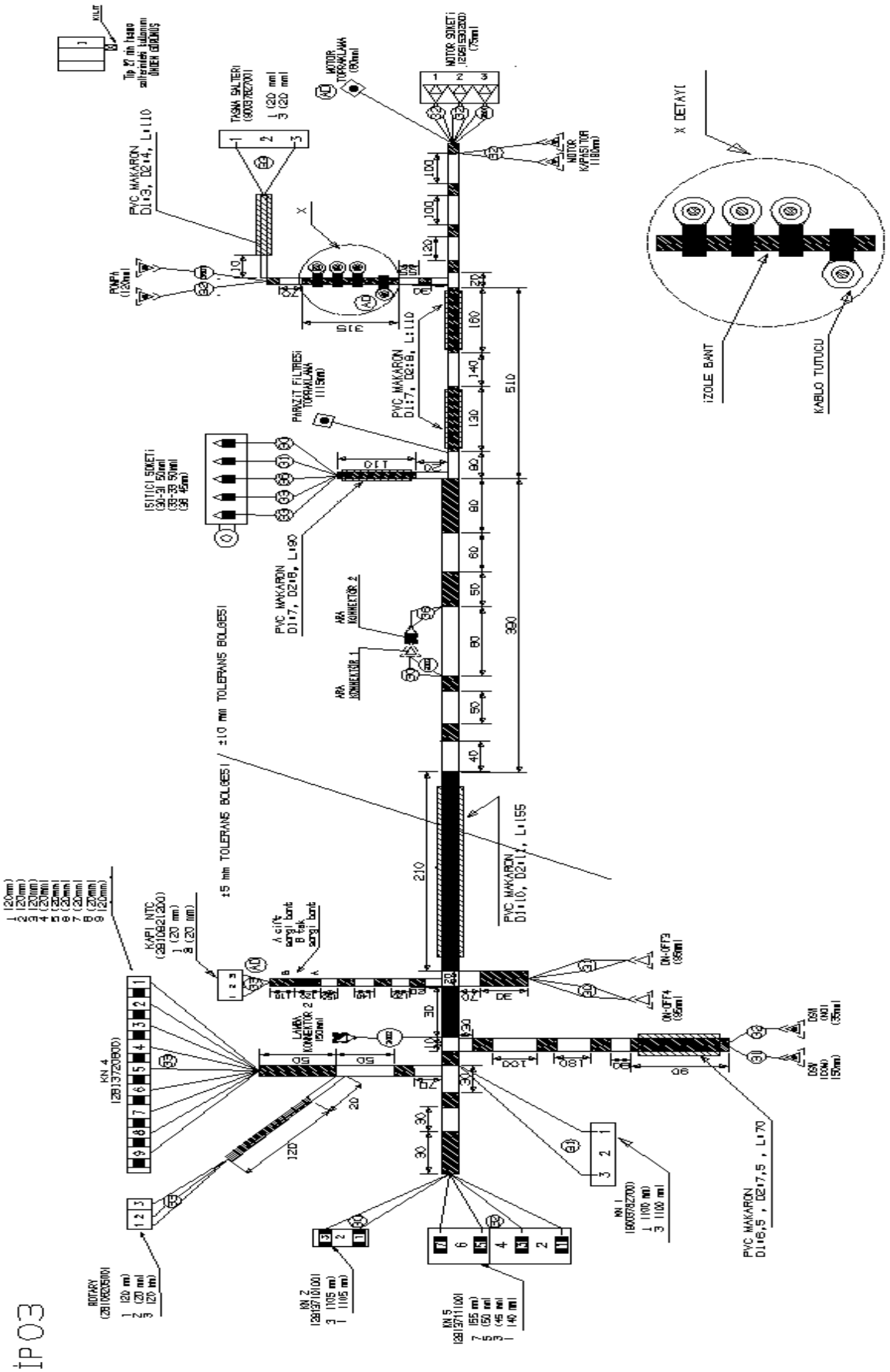

Program doesn't progress although the tank is empty.
Is the overflow switch is broken?
YES
Fix or change the overflow switch
NO
Check the pump

6. Wiring Schematics:

Blomberg AB09 Condenser MLCD Wiring Schematics



Blomberg AB09 Condenser MLCD Cable Schematics



7. **Expoled Views:**
8. **Spare Parts List:**
9. **Demounting:**